

Applicants: RICHARDSON et al.  
Appl. No. 10/734,605

**REMARKS**

Applicants thank the Examiner for the careful consideration of this application.

Reconsideration of this application is now respectfully requested in view of the following remarks.

Claims 1-11 are currently pending in this application, with claims 1 and 8 being independent claims.

At page 2, the Office Action rejects claims 1, 3, 5, and 8-10 under 35 U.S.C. § 102(b) as being anticipated by Kino et al. (U.S. Patent No. 4,545,774). This rejection is respectfully traversed for the following reasons.

Claim 1 is reproduced below, with emphasis added:

A transformer comprising a primary winding, a secondary winding and a rectifier comprising a diode for rectifying voltage induced in the secondary winding, wherein the secondary winding comprises at least two coils, each coil including a rectifier diode *as an integrated part of the coil*.

An exemplary embodiment of a transformer having a rectifier diode as an integrated part of the coil is disclosed in paragraphs 15-17 of the application as filed. Kino fails to disclose or suggest an arrangement in which each coil includes a rectifier diode *as an integrated part of the coil*. Kino discloses in Figure 3 (and accompanying column 4, lines 56-65) a transformer including a primary coil 50a and secondary coils 50c, 50d. Rectifier circuits, including a plurality of diodes 8, are attached to each of the secondary coils 50c, 50d. In no way, however, does Kino disclose or suggest that the diodes 8 are *an integrated part* of the secondary coils 50c, 50d. Accordingly, Applicants respectfully submit that Kino does not anticipate claim 1. Claims

Applicants: RICHARDSON et al.  
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3 and 5 depend from claim 1, and are allowable for at least the same reasons, as well as for reciting additional patentable features.

Claim 8 is reproduced below, with emphasis added:

A transformer, comprising: a primary winding, a secondary winding and a rectifier arrangement for rectifying voltage induced in the secondary winding, wherein the secondary winding comprises at least two coils, each coil including a rectifier diode arrangement, wherein the rectifier diode arrangement comprises a plurality of diodes **arranged in parallel to one another**.

Kino fails to disclose or suggest an arrangement in which each coil of the secondary winding includes a rectifier diode arrangement, wherein the rectifier diode arrangement comprises a plurality of diodes **arranged in parallel to one another**. While Kino does disclose a secondary winding including secondary coils 50c, 50d, with each of the coils 50c, 50d connected to a respective rectifier circuit including a plurality of diodes 8, nowhere does Kino disclose or suggest that the diodes 8 of each rectifier circuit are arranged in parallel to one another, as claimed. Accordingly, Applicants respectfully submit that Kino does not anticipate claim 8.

Claims 9 and 10 depend from claim 1, and are allowable for at least the same reasons, as well as for reciting additional patentable features.

At page 3, the Office Action rejects claims 2 and 4 under 35 U.S.C. § 103(a) as being unpatentable over Kino in view of Hiltunen et al. (U.S. Patent No. 6,490,180). Claims 2 and 4 depend from independent claim 1, and are allowable for at least the same reasons. In addition, Hiltunen does not provide the missing disclosure of Kino.

At page 3, the Office Action rejects claims 6 and 7 under 35 U.S.C. § 103(a) as being unpatentable over Kino in view of Teich et al. (U.S. Patent No. 4,507,531). Claims 6 and 7

Applicants: RICHARDSON et al.  
Appl. No. 10/734,605

depend from independent claim 1, and are allowable for at least the same reasons. In addition, Teich does not provide the missing disclosure of Kino.

At page 4, the Office Action rejects claim 11 under 35 U.S.C. § 103(a) as being unpatentable over Kino in view of Koroncai et al. (U.S. Patent No. 4,506,320). Claim 11 depends from independent claim 8, and is allowable for at least the same reasons. In addition, Koroncai does not provide the missing disclosure of Kino.

Applicants: RICHARDSON et al.  
Appl. No. 10/734,605

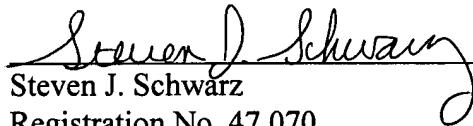
**Conclusion**

All of the stated grounds of objection and rejection have been properly traversed, accommodated, or rendered moot. Applicants, therefore, respectfully request that the Examiner reconsider all presently outstanding objections and rejections and that they be withdrawn. Applicants believe that a full and complete reply has been made to the outstanding Office Action and, as such, the present application is in condition for allowance. If the Examiner believes, for any reason, that personal communication will expedite prosecution of this application, the Examiner is hereby invited to telephone the undersigned at the number provided.

Prompt and favorable consideration of this Response is respectfully requested.

Respectfully submitted,

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